

Vitamin C (sodium ascorbyl phosphate)

Specification Sheet

Description: Sodium ascorbyl phosphate (SAP) is specifically produced for use as a stabilized source of vitamin C in cosmetic products. Light-stable and oxygen-stable. Purity >95.0%. Ascorbic acid content at least 45%. May discolor at pH levels below 6.

CAS: 66170-10-3

INCI Name: Sodium Ascorbyl Phosphate

Composition: Sodium Ascorbyl Phosphate

Appearance: White-to pale yellow powder, odorless.

Benefits:

- Stabilized form of vitamin C that does not degrade in aqueous formulas. Esterification of ascorbic acid protects vitamin C from oxidative degradation.
- Potent antioxidant (shown to be able to protect skin from oxidative damages)
- Can improve appearance of aged and fragile skin
- Widely used as add-on ingredient in skin-lightening products to correct hyperpigmentation and age spots
- Antioxidant effect can be increased by adding L-ascorbyl palmitate and/or vitamin E.

Use: Add at the end of the formulation process just before the preservative, by pre-dissolving in a little distilled water. Typical use level 0.2-3%, but up to 10%. For external use only.

Applications: Lotions, creams, sun care & after sun products, makeup products.

Solubility: Soluble in water (clear solution at 3% concentration)

Preservation: Preservative-free

Storage: Store light-protected at a cool and dry place.

Country of Origin: China

Raw material source: L-ascorbic acid, sodium, and phosphoryl chloride (or other phosphorylating agents)



10800 231st Way NE
Redmond, WA 98053
Phone: 425-292-9502
makingcosmetics.com

Manufacture: Sodium ascorbyl phosphate is produced by direct phosphorylation of ascorbic acid sodium salt where l-ascorbic acid is suspended in an oxygenated, non-hydroxylic solvent together with sodium and then treated with a phosphorylating agent.

Animal Testing: Not animal tested

GMO: GMO-free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components

HS Code: 2936270000